FIG.1

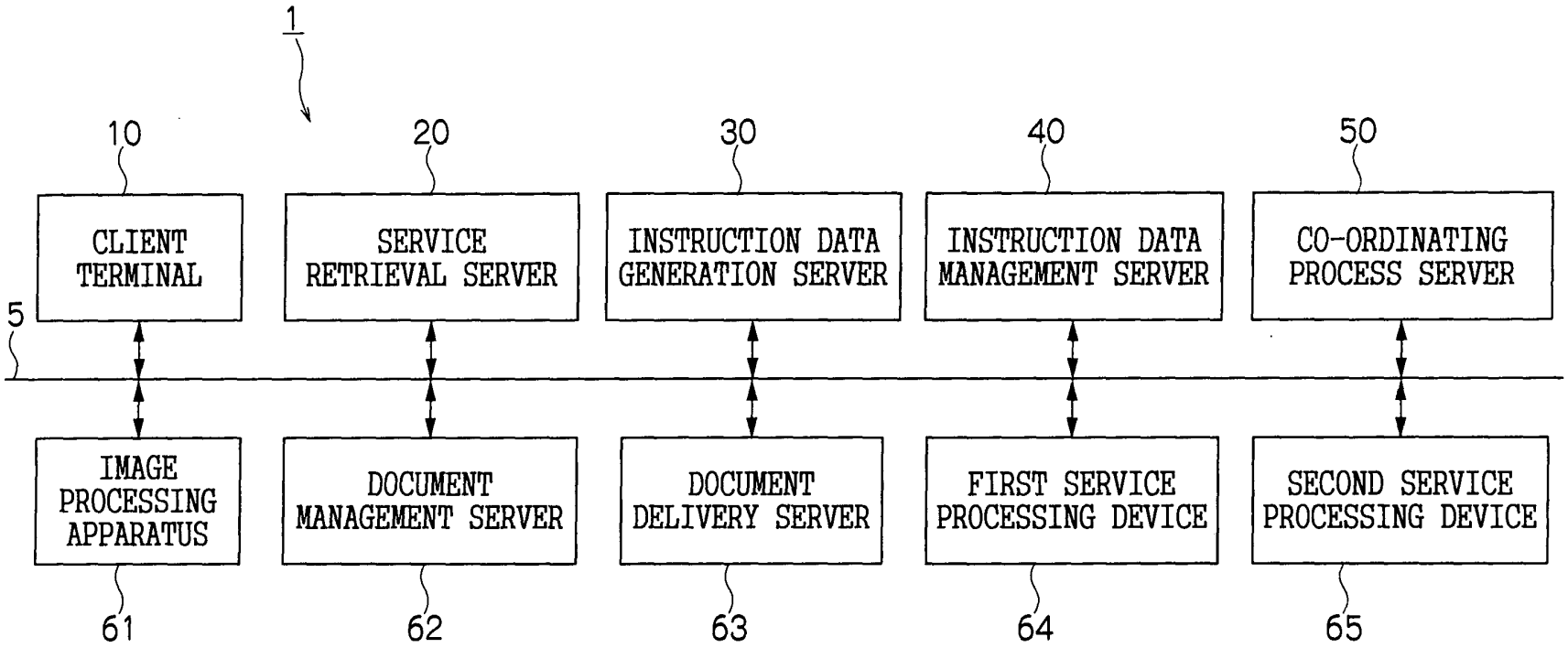

1
10
20
30
40
50
CLIENT TERMINAL
SERVICE RETRIEVAL SERVER
INSTRUCTION DATA GENERATION SERVER
INSTRUCTION DATA MANAGEMENT SERVER
CO-ORDINATING PROCESS SERVER
5
IMAGE PROCESSING APPARATUS
DOCUMENT MANAGEMENT SERVER
DOCUMENT DELIVERY SERVER
FIRST SERVICE PROCESSING DEVICE
SECOND SERVICE PROCESSING DEVICE
61
62
63
64
65

FIG.2

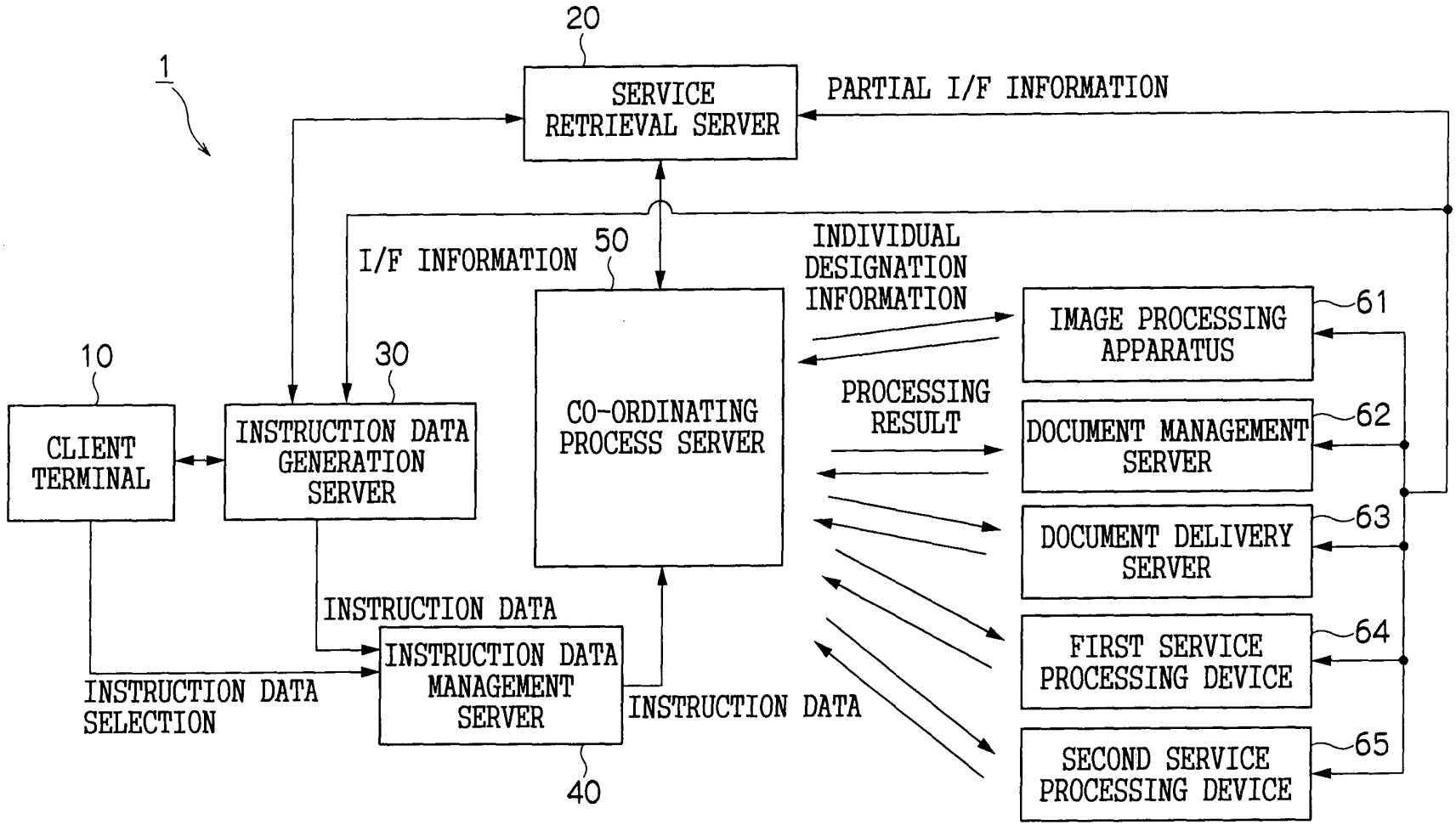

1
20
SERVICE RETRIEVAL SERVER
PARTIAL I/F INFORMATION
I/F INFORMATION
50
INDIVIDUAL DESIGNATION INFORMATION
10
30
CLIENT TERMINAL
INSTRUCTION DATA GENERATION SERVER
CO-ORDINATING PROCESS SERVER
PROCESSING RESULT
IMAGE PROCESSING APPARATUS
61
DOCUMENT MANAGEMENT SERVER
62
DOCUMENT DELIVERY SERVER
63
FIRST SERVICE PROCESSING DEVICE
64
SECOND SERVICE PROCESSING DEVICE
65
INSTRUCTION DATA
INSTRUCTION DATA MANAGEMENT SERVER
INSTRUCTION DATA SELECTION
INSTRUCTION DATA
40

FIG.3

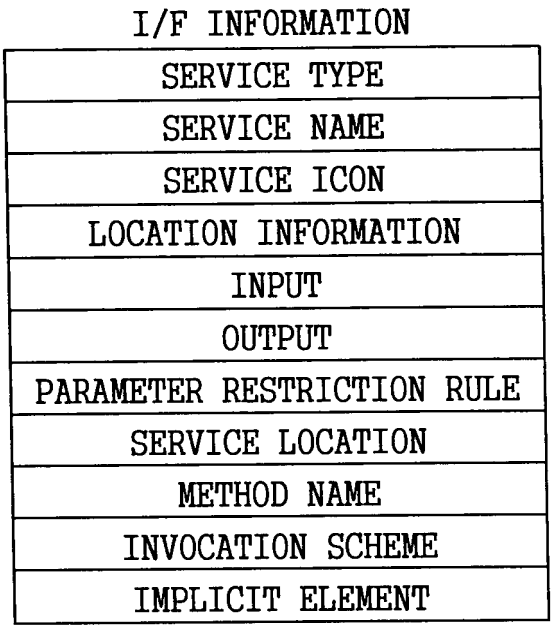

I/F INFORMATION
SERVICE TYPE
SERVICE NAME
SERVICE ICON
LOCATION INFORMATION
INPUT
OUTPUT
PARAMETER RESTRICTION RULE
SERVICE LOCATION
METHOD NAME
INVOCATION SCHEME
IMPLICIT ELEMENT

FIG.4

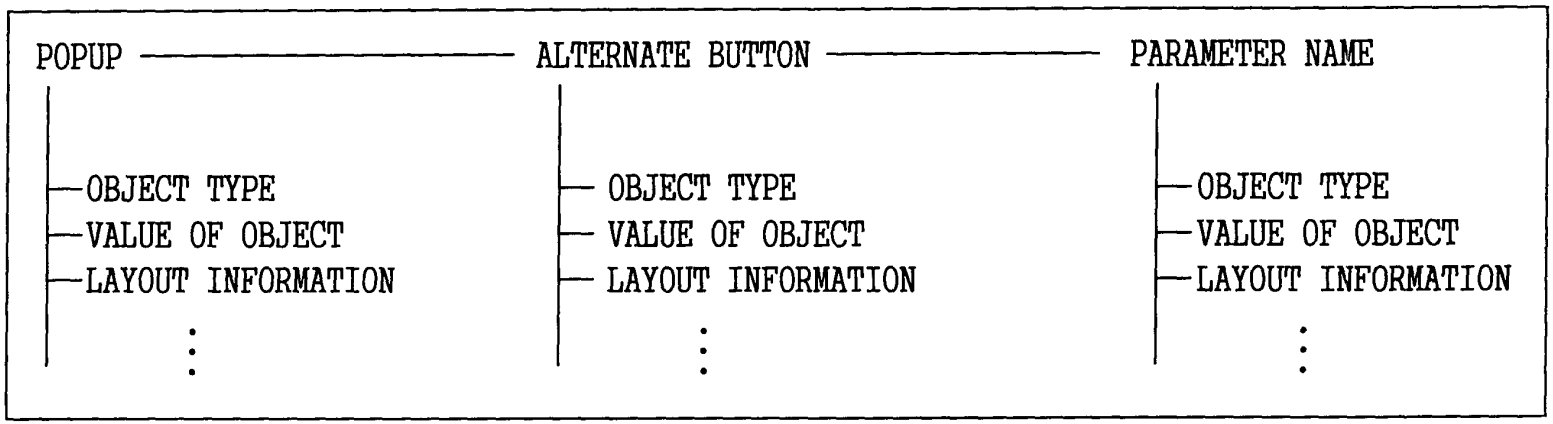

POPUP
ALTERNATE BUTTON
PARAMETER NAME
OBJECT TYPE
VALUE OF OBJECT
LAYOUT INFORMATION
OBJECT TYPE
VALUE OF OBJECT
LAYOUT INFORMATION
OBJECT TYPE
VALUE OF OBJECT
LAYOUT INFORMATION

FIG.5

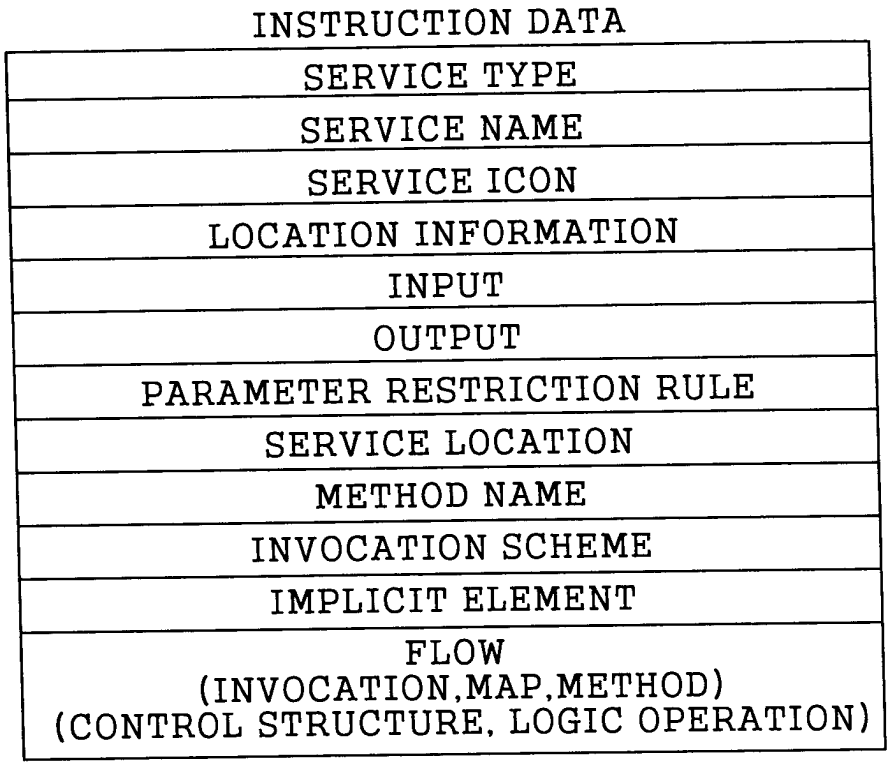

INSTRUCTION DATA
SERVICE TYPE
SERVICE NAME
SERVICE ICON
LOCATION INFORMATION
INPUT
OUTPUT
PARAMETER RESTRICTION RULE
SERVICE LOCATION
METHOD NAME
INVOCATION SCHEME
IMPLICIT ELEMENT
FLOW
(INVOCATION,MAP,METHOD)
(CONTROL STRUCTURE, LOGIC OPERATION)

FIG.6

```
INSTRUCTION DATA OF SCREEN FORMATION

<UI>
 <Popup>
   <Title name="COPY DENSITY">
    <Button>
    <Button name="CLOSE"/>
    <Button type="close"/>
    <Button Layout>
       <x value="700"/>
       <y value="5"/>
    </Button Layout>
    </Button>
   <Button>
     <Button type="alternate" editable="true"/>
    <Button Layout>
       <x value="200"/>
       <y value="100"/>
    </Button Layout>
      <Button No="7"/>
       <Default Selection="3"/>
       <name value="LIGHTER(+3)"/>
       <name value="LIGHTER(+2)"/>
       <name value="LIGHTER(+1)"/>
       <name value="NORMAL"/>
       <name value="DARKER(+1)"/>
       <name value="DARKER(+2)"/>
       <name value="DARKER(+3)"/>
    </Button>
 </Popup>
</UI>
```

FIG.7

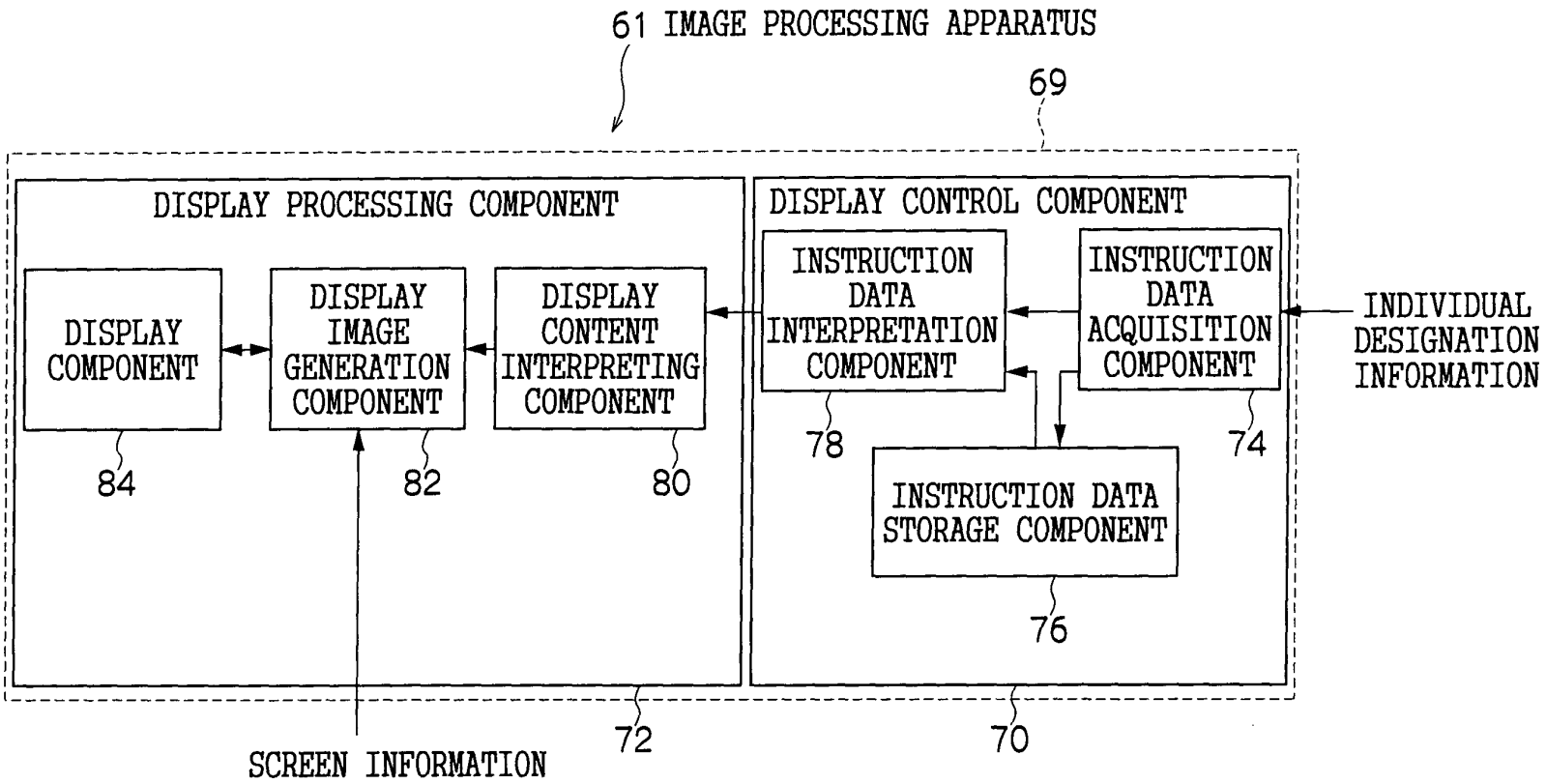

61 IMAGE PROCESSING APPARATUS
69
DISPLAY PROCESSING COMPONENT
DISPLAY CONTROL COMPONENT
DISPLAY COMPONENT
DISPLAY IMAGE GENERATION COMPONENT
DISPLAY CONTENT INTERPRETING COMPONENT
INSTRUCTION DATA INTERPRETATION COMPONENT
INSTRUCTION DATA ACQUISITION COMPONENT
INDIVIDUAL DESIGNATION INFORMATION
INSTRUCTION DATA STORAGE COMPONENT
84
82
80
78
74
76
72
70
SCREEN INFORMATION

FIG.8

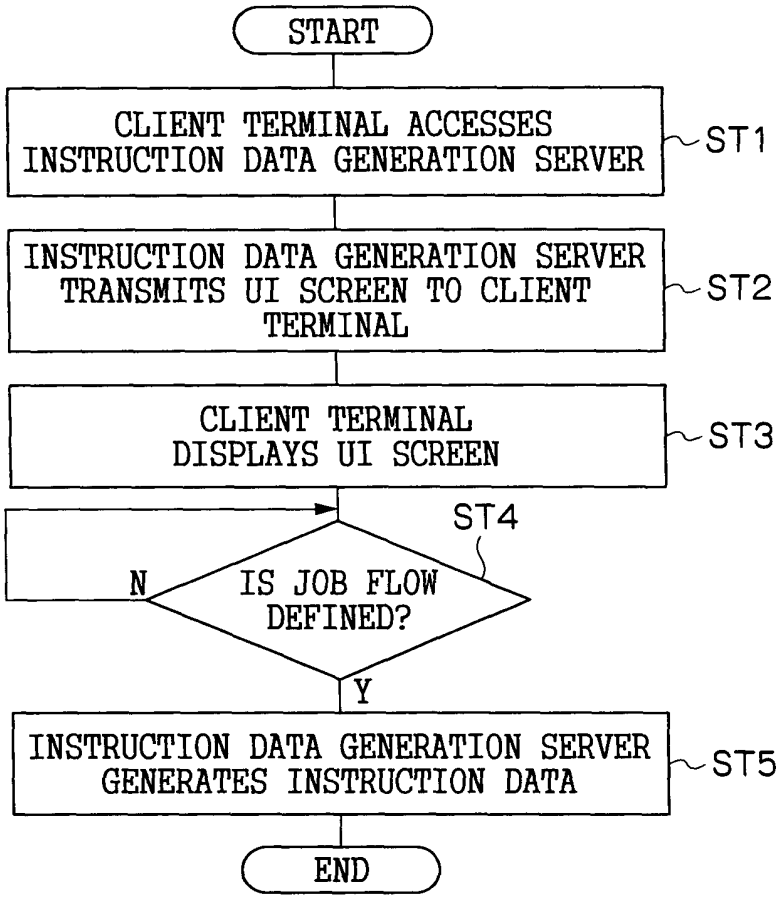

START
CLIENT TERMINAL ACCESSES INSTRUCTION DATA GENERATION SERVER
ST1
INSTRUCTION DATA GENERATION SERVER TRANSMITS UI SCREEN TO CLIENT TERMINAL
ST2
CLIENT TERMINAL DISPLAYS UI SCREEN
ST3
ST4
IS JOB FLOW DEFINED?
N
Y
INSTRUCTION DATA GENERATION SERVER GENERATES INSTRUCTION DATA
ST5
END

FIG.9

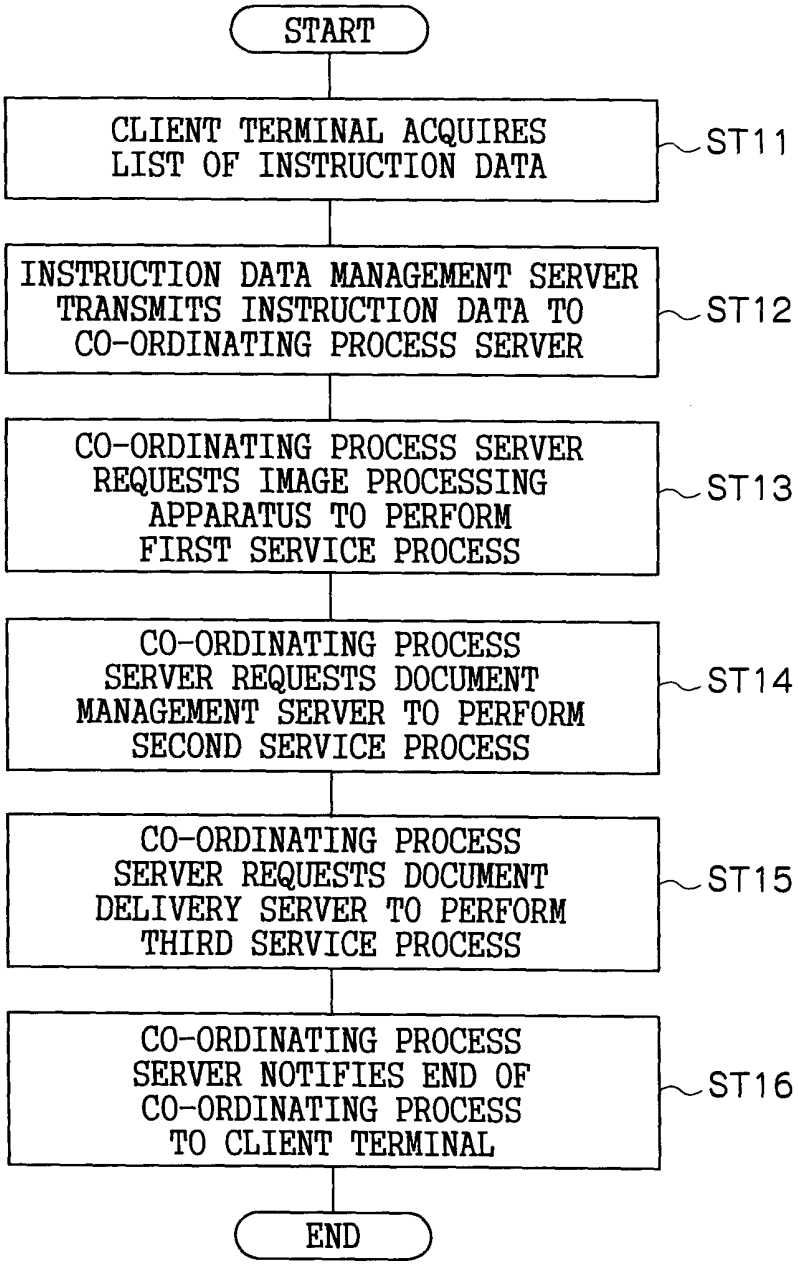

START
CLIENT TERMINAL ACQUIRES LIST OF INSTRUCTION DATA
ST11
INSTRUCTION DATA MANAGEMENT SERVER TRANSMITS INSTRUCTION DATA TO CO-ORDINATING PROCESS SERVER
ST12
CO-ORDINATING PROCESS SERVER REQUESTS IMAGE PROCESSING APPARATUS TO PERFORM FIRST SERVICE PROCESS
ST13
CO-ORDINATING PROCESS SERVER REQUESTS DOCUMENT MANAGEMENT SERVER TO PERFORM SECOND SERVICE PROCESS
ST14
CO-ORDINATING PROCESS SERVER REQUESTS DOCUMENT DELIVERY SERVER TO PERFORM THIRD SERVICE PROCESS
ST15
CO-ORDINATING PROCESS SERVER NOTIFIES END OF CO-ORDINATING PROCESS TO CLIENT TERMINAL
ST16
END

FIG.10

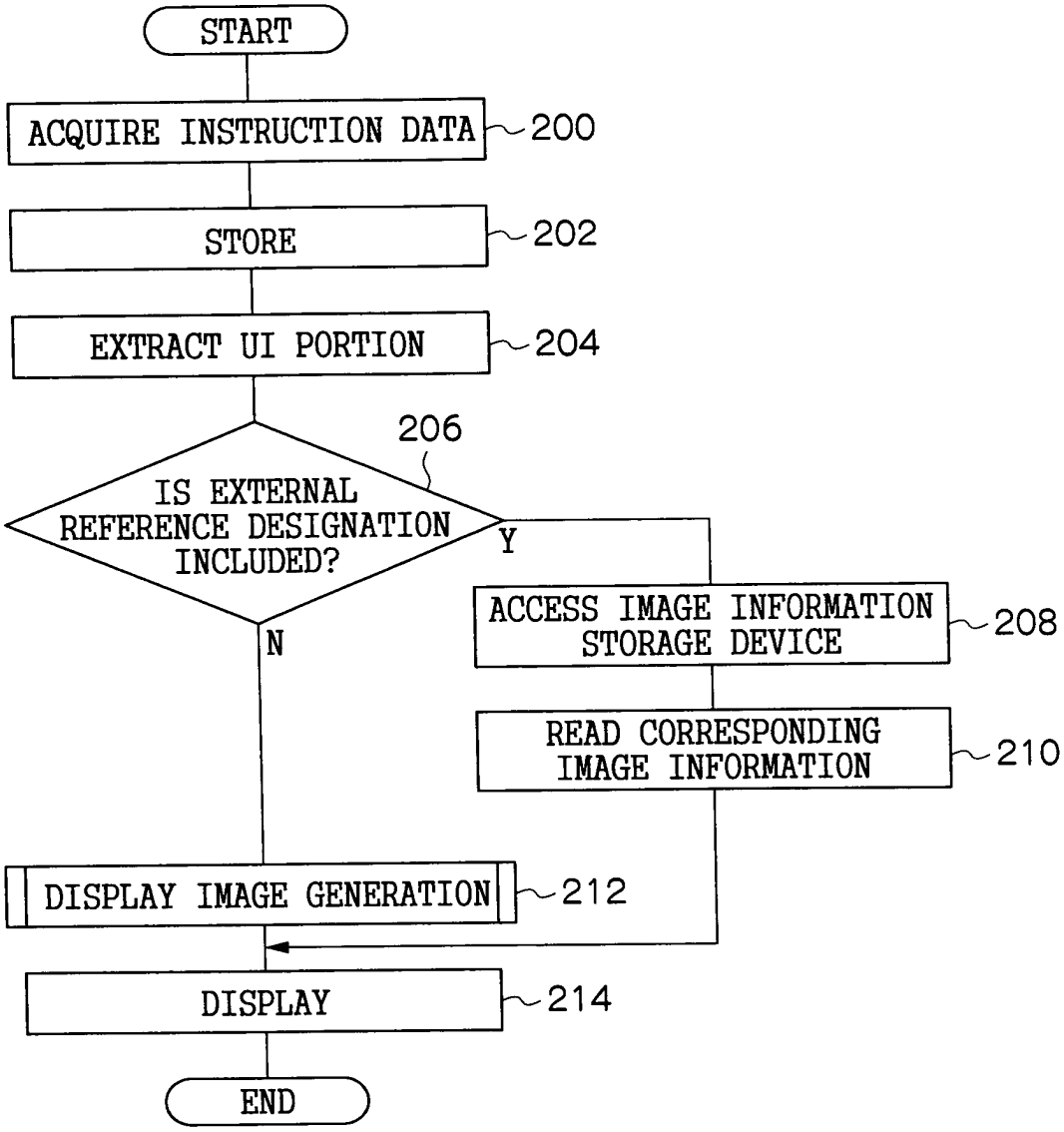

START
ACQUIRE INSTRUCTION DATA
200
STORE
202
EXTRACT UI PORTION
204
206
IS EXTERNAL REFERENCE DESIGNATION INCLUDED?
Y
N
ACCESS IMAGE INFORMATION STORAGE DEVICE
208
READ CORRESPONDING IMAGE INFORMATION
210
DISPLAY IMAGE GENERATION
212
DISPLAY
214
END

FIG.11

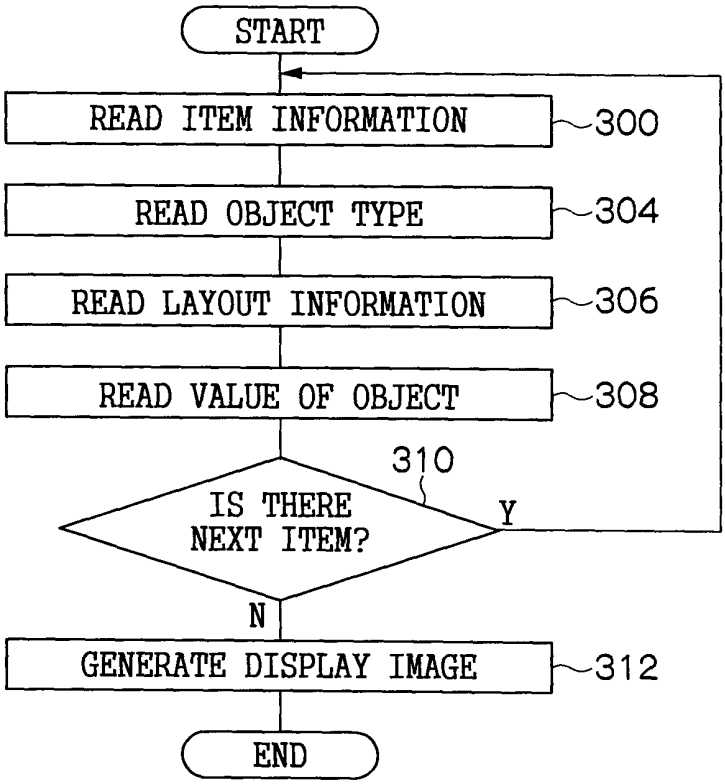

START
READ ITEM INFORMATION
300
READ OBJECT TYPE
304
READ LAYOUT INFORMATION
306
READ VALUE OF OBJECT
308
310
IS THERE NEXT ITEM?
Y
N
GENERATE DISPLAY IMAGE
312
END

FIG.12

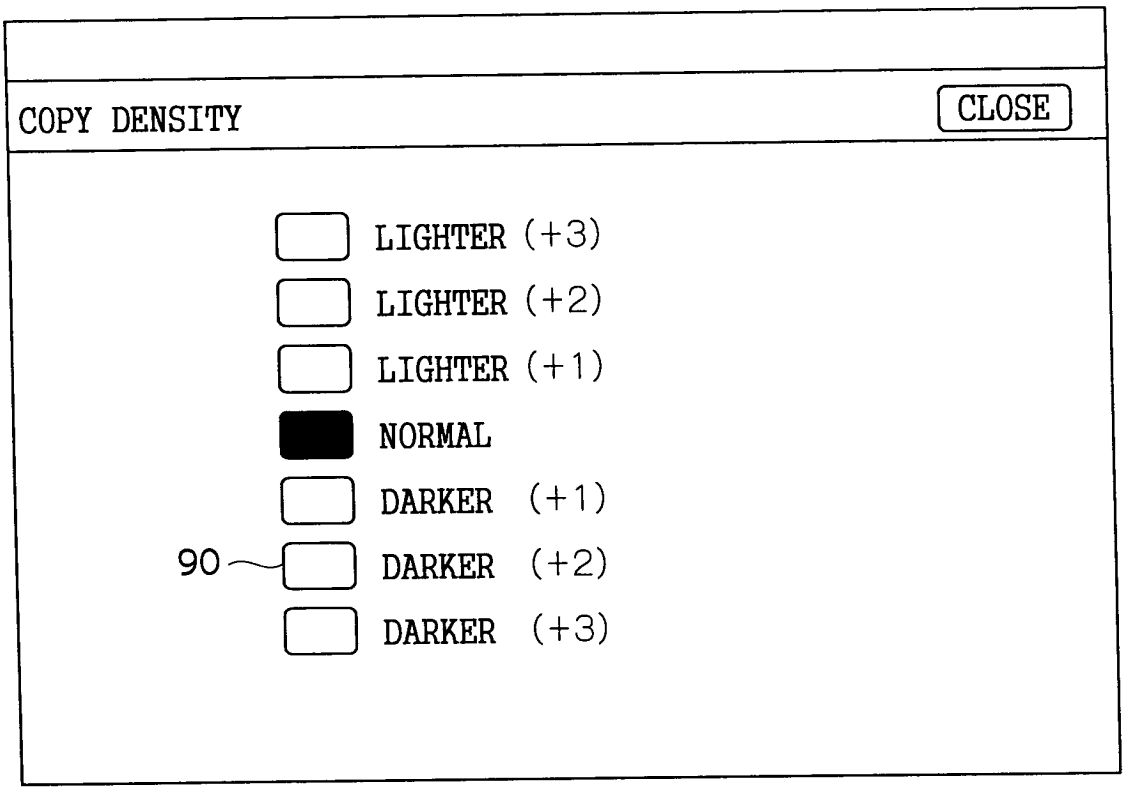
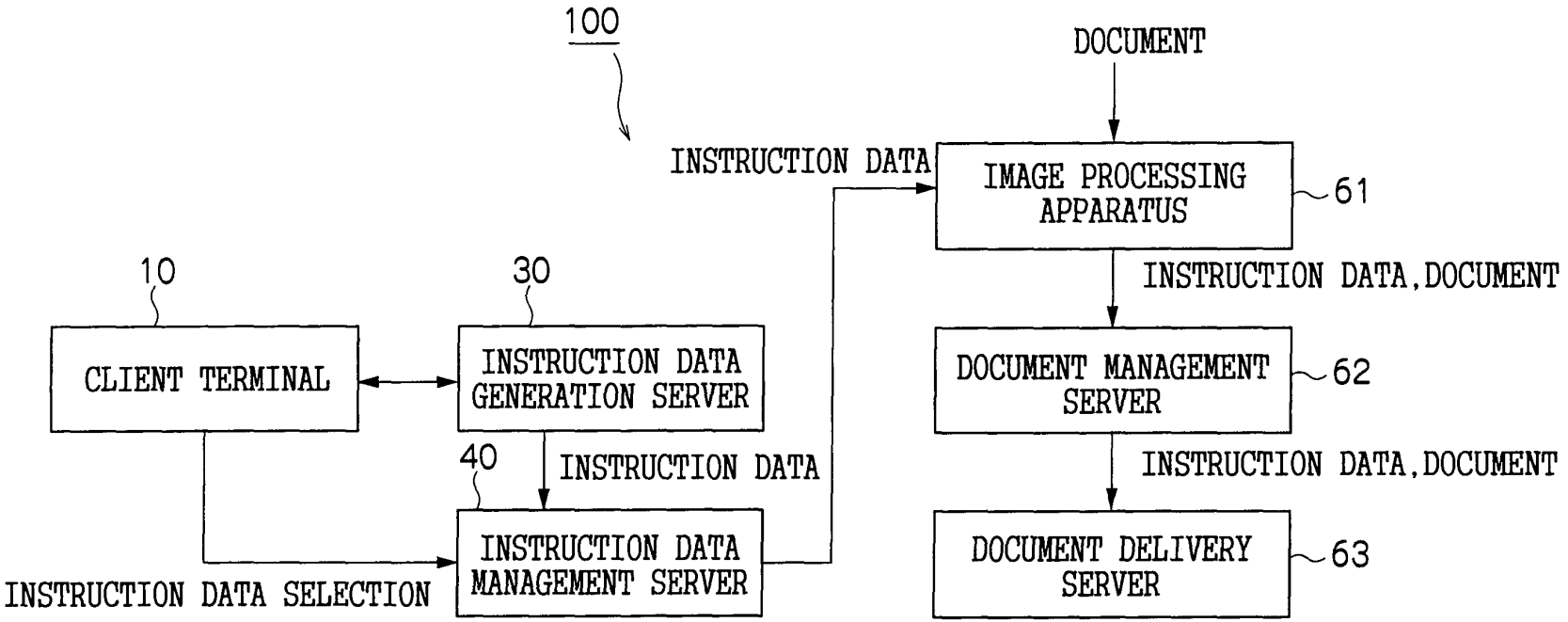

COPY DENSITY
CLOSE
LIGHTER (+3)
LIGHTER (+2)
LIGHTER (+1)
NORMAL
DARKER (+1)
90
DARKER (+2)
DARKER (+3)

FIG.13


100
DOCUMENT
INSTRUCTION DATA
IMAGE PROCESSING APPARATUS
61
10
30
INSTRUCTION DATA, DOCUMENT
CLIENT TERMINAL
INSTRUCTION DATA GENERATION SERVER
DOCUMENT MANAGEMENT SERVER
62
40
INSTRUCTION DATA
INSTRUCTION DATA, DOCUMENT
INSTRUCTION DATA MANAGEMENT SERVER
DOCUMENT DELIVERY SERVER
63
INSTRUCTION DATA SELECTION